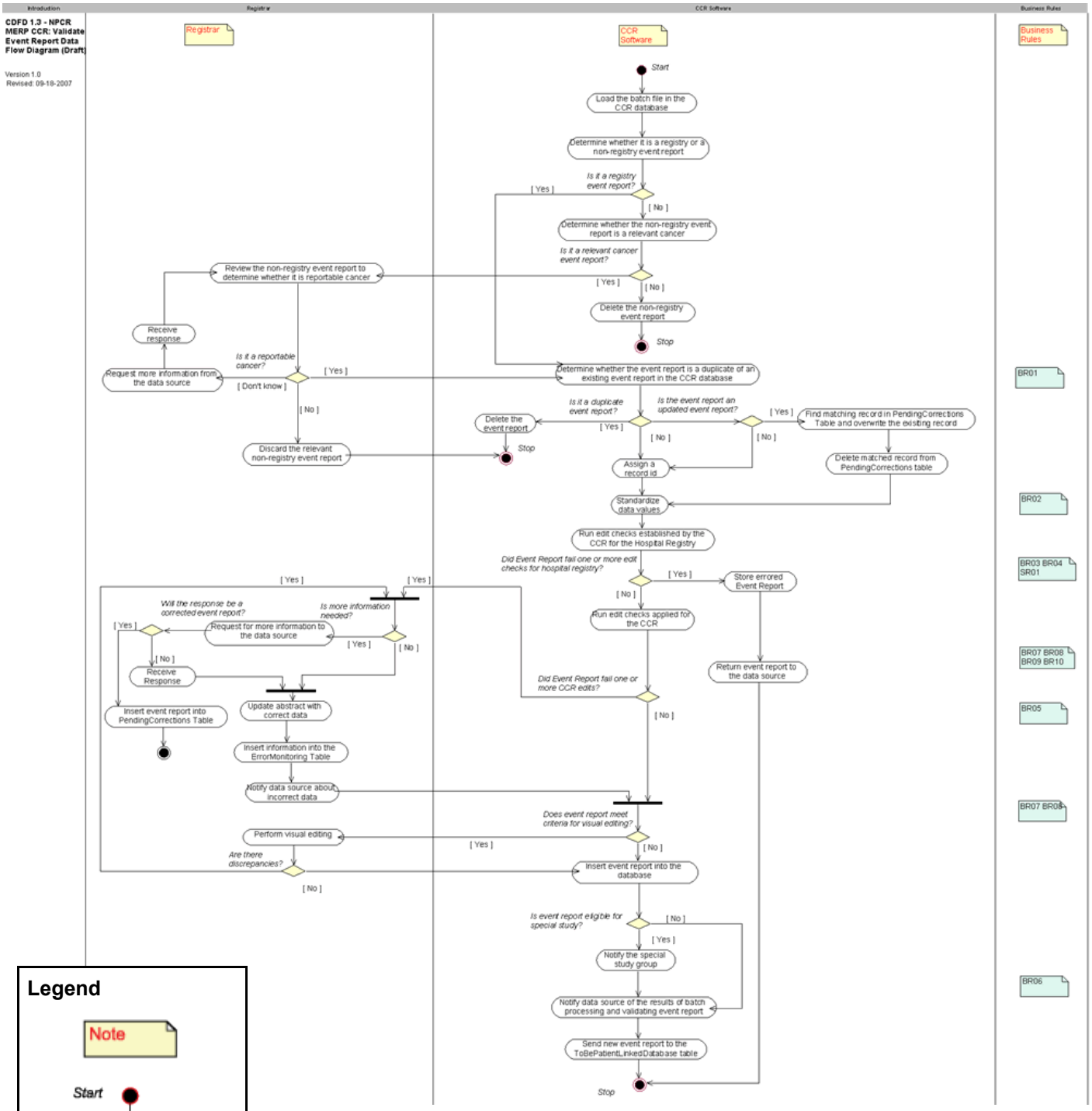
NPCR–MERP Central Cancer Registry Validate Event Report Data Flow Diagram

The central cancer registry (CCR) validate event report data flow diagram shows the detailed procedural flow of control of the function.



There are two actors: the registrar and central cancer registry (CCR) software.

The process starts when the batch file is loaded into the CCR database.

The CCR software determines if the event report is a registry event report or a non-registry event report.

For a non-registry event report, the CCR software determines if the event report is a relevant cancer report. If it is not a relevant cancer event report, the report is deleted from the CCR database. If it is a relevant cancer event report, the registrar reviews the non-registry event report to determine if it is a reportable cancer. If it is not a reportable cancer, the relevant non-registry event report is discarded from the CCR database. If the registrar cannot determine if it is a reportable cancer, the registrar requests more information from the data source, receives a response, and again reviews the event report again to check for a reportable cancer.

For both a relevant and a non-relevant registry event report, the CCR software determines if it is a duplicate of an existing event report. If it is a duplicate event report, it is deleted. If it is not a duplicate, it is assigned a record identification (ID) number. The CCR software checks if the event report is an update for an existing report. If it is an update, the CCR software finds the matching record in the PendingCorrections table, overwrites the existing record, and deletes the record from the PendingCorrections table.

The CCR software then standardizes the data values for the updated or new relevant event report. It re-runs the edit checks that the hospital registry is required to run prior to submitting the event report to ensure that the event report has no errors. If the event report fails one or more edit checks, the CCR software stores the erroneous event report, returns it to the data source, and the process stops.

If the event report passes these edit checks, the CCR software runs additional edit checks on the event report specific to the CCR. If the event report fails, the registrar requests more information, if necessary. If it is a corrected event report, it is inserted into the PendingCorrections table and the process stops. If it is not a corrected event report, the registrar receives a response from the data source. The CCR software updates the abstract with correct data, inserts information into the ErrorMonitoring table, and notifies the data source about the incorrect data.

The CCR software then checks if the event report meets the criteria for visual editing. If it does, the registrar performs visual editing. If discrepancies are found, the registrar requests more information from the data source. If the event report does not have discrepancies, the CCR software inserts the event report into the CCR database and checks if the event report is eligible for special study. If it is eligible, the CCR software notifies the special study group. If it not eligible, the CCR software notifies the data source of the results of batch processing and validating the event report, and sends the new event report to the ToBePatientLinked database table.

Business Rules (BR)

For details of the business rules and software requirement, please refer to the CCR Validate Event Report Use Case.

- BR01 applies to checking if the event report is a duplicate and if it is a reportable cancer in the CCR database.
- BR02 applies to standardization of data values in the abstract.
- BR03 and BR04 apply to checking if the event report passes the edit checks for hospital registries.
- BR07, BR08, BR09, and BR10 apply to determining if the event report passes the CCR edit checks.
- BR05 applies to determining if more information is needed from the data source, if the event report fails the CCR edit checks.
- BR07 and BR08 apply to determining if the event report meets the criteria for visual editing.
- BR06 applies to determining if the event report is eligible for special studies.

Software Requirement (SR)

- SR01 applies to determining if the event report passes the edit checks established by the CCR for the hospital registry.